

Intersection Ranking Report

Region 5

Report Module: Safety Management Analysis

Today's Date: Friday, October 5, 2018

Dates: 1/1/2013 to 12/31/2017

Animal Crashes: Excluded

Radius: 500 feet

Sort Order: Total Crashes

Limited to Top: 10

TCPDO: Typical cost of a Property Damage Only accident. \$2,000.00

TCIA: Typical cost of an Injury Accident. \$180,000.00

TCFA: Typical cost of a Fatal Accident. \$2,600,000.00

Type A: Number of crashes involving Incapacitating Injury

Type B: Number of crashes involving Non-Incapacitating Injury

Type C: Number of crashes involving Possible Injury

PDO: Number of crashes involving Property Damage Only

Fatal: Number of crashes involving fatalities, not the number of fatalities.

EPDO: Number of Equivalent Property Damage Only crashes. $EPDO = PDO + (Injury \times (TCIA / TCPDO)) + (Fatal \times (TCFA / TCPDO))$

Modified EPDO: Number of Modified EPDO crashes. $Modified\ EPDO = PDO + [(Injury + Fatal) \times ((TCIA + TCFA) / TCPDO)]$

MEV: Million Entering Vehicles, million vehicles entering intersection annually. $MEV = (AADT \times Days\ in\ Report\ Period / 1,000,000)$

Crash Rate: Number of Crashes / MEV

Injury Rate: Injury / MEV

Fatality Rate: Fatal / MEV

EPDO Rate: EPDO / MEV

Modified EPDO Rate: Modified EPDO / MEV

Report Filter

Field Name	Operator	Value(s)
Drinking a Factor	=	No
Intersecton Related	=	True
Year of Crash	>=	2013
ROAD: County	=	Genesee
ROAD: City/Twp	=	Forest Twp

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Intersection Name	Total Crashes					Modified EPDO		Rate per MEV				Modified EPDO	City or Township	County		
	Fatal	Type A	Type B+C	PDO	EPDO	AADT	MEV	Crash	Injury	Fatality	EPDO					
1 Irish Rd & Vienna Rd	20	1	2	10	7	2,387	18,077	6749	24.647	0.811	0.081	0.041	96.847	733.436	Forest Twp	Genesee
2 Vienna Rd & State Rd	13	1	0	6	6	1,846	9,736	9163	33.463	0.388	0.000	0.030	55.165	290.948	Forest Twp	Genesee
3 Dodge Rd & State Rd	8	0	1	2	5	275	4,175	11126	40.632	0.197	0.025	0.000	6.768	102.752	Forest Twp	Genesee
* 4 Lake Rd & State Rd	6	0	2	0	4	184	2,784	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* 5 State Rd & Farrand Rd	4	0	0	1	3	93	1,393	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* 6 Wilson Rd & Irish Rd	3	0	0	1	2	92	1,392	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* 7 Dodge Rd & Henderson Rd	3	0	0	2	1	181	2,781	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
8 State Rd & Center St	2	0	0	1	1	91	1,391	7683	28.058	0.071	0.000	0.000	3.243	49.576	Forest Twp	Genesee
* 9 Henderson Rd & Wilson Rd	2	0	0	1	1	91	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee
* 10 Henderson Rd & Lake Rd	2	1	0	0	1	1,301	1,391	0	0.000	0.000	0.000	0.000	0.000	0.000	Forest Twp	Genesee

* An asterisk preceding the Intersection Name indicates incomplete AADT information for that intersection.